

Appl. No. 09/805,891
Amdt dated July 9, 2003
Reply to Office Action of April 9, 2003

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

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Claims 1-26. (Canceled).

27. (Presently Amended) An information medium configured to have data recorded thereon and data reproduced therefrom, said data including management information and bitstream information, said information medium containing data structures for recording bitstream information, comprising:

~~a data structure stored on said information medium, including,~~
a stream object, formed from the bitstream information, including at least one first data unit, at least one second data unit having the at least one first data unit, and at least one third data unit having the at least one second data unit, ~~the at least one third data unit being filled by the bitstream information and the at least one second data unit storing header information relating to the bitstream information, said header information including information indicating a number of the at least one first data unit in the at least one second data unit~~ the at least one third data unit including header information which contains time information relating to the at least one first data unit.

Claims 28-36 (Canceled)

Claim 37 (New). A method of recording bitstream information on an information medium having a data area and a management area, said information medium comprising a stream object, formed from the bitstream information, including at least one first data unit, at

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least one second data unit having the at least one first data unit, and at least one third data unit having the at least one second data unit, the at least one third data unit including header information which contains time information relating to the at least one first data unit, said recording method comprising:

recording the bitstream information of the data area; and

recording management information of the bitstream information on the management area.

Claim 38 (New). A method of reproducing bitstream information from an information medium having a data area and a management area, said information medium comprising a stream object, formed from the bitstream information, including at least one first data unit, at least one second data unit having the at least one first data unit, and at least one third data unit having the at least one second data unit the at least one third data unit including header information which contains time information relating to the at least one first data unit, said reproducing method comprising:

reproducing management information of the bitstream information from the management area; and

reproducing the bitstream information from the data area.

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Claim 39 (New). An information medium configured to have data recorded thereon and data reproduced therefrom, said data including management information and bitstream information, said information medium comprising:

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a stream object, formed from the bitstream information, including at least one first data unit, at least one second data unit having the at least one first data unit, and at least one third data unit having the at least one second data unit, wherein said management information includes information relating to a number of the at least one first data unit.

Claim 40 (New). A method of recording bitstream information on an information medium having a data area and a management area, said information medium comprising a stream object, formed from the bitstream information, including at least one first data unit, at least one second data unit having the at least one first data unit, and at least one third data unit having the at least one second data unit, wherein said management information includes information relating to a number of the at least one first data unit, said recording method comprising:

recording the bitstream information on the data area; and
recording management information of the bitstream information on the management area.

Claim 41 (New). A method of reproducing bitstream information from an information medium having a data area and a management area, said information medium

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comprising a stream object, formed from the bitstream information, including at least one first data unit, at least one second data unit having the at least one first data unit, and at least one third data unit having the at least one second data unit, wherein said management information includes information relating to a number of the at least one first data unit, said reproducing method comprising:

reproducing management information of the bitstream information from the management area; and

reproducing the bitstream information from the data area.

Claim 42 (New). The medium of claim 27, wherein said first data unit includes a transport packet having the bitstream information.

Claim 43 (New). The medium of claim 39, wherein said first data unit includes a transport packet having the bitstream information.
